SOLVAY
SODA ASH JOINT VENTURE

May 26, 1998

Lee Gribovicz
WDEQ-Air Quality Division
250 Lincoln
Lander, WY 82520

Dear Lee:

RE: AQD #17 and #48 Compliance Stack Test Results

Enclosed you will find stack test reports for AQD #17 (CA-1 and CA-2 common stack) and AQD #48 (CA-3 stack). The results confirm compliance with the permit emission limits set forth in Permit CT-1347. This permit addresses the installation of bucket elevators at the discharge of the existing calciners, resulting in an increase in production to 200 TPH per calciner. Only CA-1 and CA-3 have been modified at this time. CA-2 modification is currently scheduled for the year 2000 or later. AQD #17 will be tested again, if required, following the installation of the bucket elevator, since it is the common stack for both CA-1 and CA-2.

The stack testing was conducted by Clean Air Engineering (CAE). The particulate (PM_{10}), nitrogen oxides (NO_X), and carbon monoxide (CO) results are detailed in CAE Project No. 8265-1, with volatile organic compound (VOC) emissions detailed in CAE Project No. 8250-3. A summary of the results and the permit limits are listed in the tables below:

AQD #17 – April 23, 1998		
Parameter	**Permit**	**Tested**
PPH PM_{10}	22.3	8.75
PPH NO_X	30.0	22.0
PPH CO	1524	1295
PPH VOC	N/A (submitted 776)	139.0
TPH Production	200 & 162	191 & 145

Solvay Soda Ash Joint Venture, Inc.
P.O. Box 1167, Green River, Wyoming 82935 307/875-6500 FAX: 307/872-6510

AQD #48 – May 1, 1998		
Parameter	Permit	Tested
PPH PM_{10}	9.3	4.97
PPH NO_X	15.0	10.1
PPH CO	762	457.4
PPH VOC	N/A (submitted 388)	43.4
TPH Production	200	197

All emission testing was done per EPA Reference Methods, without deviation. Particulate emissions were determined from the sum of the Method 5 front half plus the Method 202 back half inorganic portion. NO_X and CO emissions were determined utilizing Methods 7E and 10, respectively. Method 18 was used to determine ethane and methane, with 25A utilized to determine total hydrocarbons. VOC emissions are the result of subtracting ethane and methane emissions from the total hydrocarbon emission rate.

If you have any questions concerning the stack test results, feel free to contact me at (307) 872-6571.

Sincerely,

Dolly A. Potter
Environmental Engineer

Enclosures

cc: Bob Gill